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Time Electronics

1051 Resistance Decade Box



- **0.01Ω to 1MΩ**
- **High accuracy**
- **Clear visual indication**
- **High stability**
- **Low temperature coefficient**
- **Safety terminals**
- **Removable protective cover**
- **Suitable for PRT/RTD**

DESCRIPTION

A precision low ohm resistance box designed for general laboratory work including platinum resistance thermometry. The 1051 is compact and durable, housed in a robust metal case with removable protective rubber cover, making it ideal for use in either the laboratory or field. Excellent accuracy is achieved by using high stability metal film resistors. The 8-digit thumbwheel switch enables simple and precise setting with a clear indication of the resistance value.

Switch Contacts: Special attention has been given to the reliability of operation. A special multiple gold contact arrangement ensures low contact resistance and continued operation even if a contact fails.

Clear Visual Indication: To make selecting and reading the setting easy the 1051 incorporates colour coded digits: kilohms - red, ohms - white, milliohms - yellow.

Safety Terminals: Compatible with 4mm shrouded plugs, as well as standard plugs, bare wires, and spade terminals.

Added Protection: The 1051 comes fitted with an ergonomic rubber cover providing increased protection and durability. It has a textured grip for comfortable handling and side openings to place labels. It is easy to remove if the user prefers a stand-alone unit or to house the 1051 in the optional 9026 carry case.

SPECIFICATIONS

Range / Resolution ..... 0 to 1MΩ / 0.01Ω steps

Decade	0.01Ω	0.1Ω	1Ω	10Ω	100Ω	1kΩ	10kΩ	100kΩ
Accuracy	± 10%	± 5%	± 1%	± 0.5%	± 0.1%	± 0.1%	± 0.1%	± 0.1%
Max Current	1A	1A	1A	0.3A	0.1A	33mA	10mA	3mA

Residual Resistance ..... Less than 90mΩ
Power Rating ..... 1 watt per resistor
Voltage Rating ..... Maximum 250V DC/AC RMS
Temperature Coefficient ..... 50ppm/°C
Dimensions / Weight ..... W215 x H100 x D120mm / 1kg (including protective cover)

ORDERING INFORMATION

1051 ..... **Low Ohm Resistance Decade Box**
9026 ..... Leatherette Carry Case
C161 ..... Factory Calibration Certificate (NPL)
C114 ..... UKAS Calibration Certificate (ISO 17025)

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

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